

What is claimed is:

1. A method for manufacturing a liquid crystal display comprising the steps of:

applying an adhesive onto at least one of a pair of substrates;

dispensing a liquid crystal material to at least one of the pair of substrates;

5 superposing one of the pair of substrates upon the other substrate; and

conducting a curing process of the adhesive in an air pressure greater than atmospheric pressure such that one of the substrates is concave toward the other substrate in the finished liquid crystal display.

10 2. The method as claimed in claim 1, wherein each of the substrates is concave toward the other substrate in the finished liquid crystal display.

3. The method as claimed in claim 1, wherein at least one of the pair of substrates is provided with a plurality of thermoplastic spacers between the pair of substrates, and the method further comprises a step of heating the pair of substrates during the curing process of the adhesive such that the thermoplastic spacers are deformed to have different profiles in the finished liquid crystal display.

15 4. A method for manufacturing a liquid crystal display comprising the steps of:

applying an adhesive onto at least one of respective inner surfaces of a pair of substrates;

20 dispensing a liquid crystal material to at least one of the inner surfaces of the pair of substrates;

superposing one of the pair of substrates upon the other substrate with the respective inner surfaces opposed to each other in a chamber maintained at lower-than-atmospheric pressure;

25 increasing the air pressure in the chamber to above atmospheric pressure after one of the pair of substrates is superposed upon the other substrate; and

conducting a curing process of the adhesive in the chamber maintained at greater-than-atmospheric pressure, wherein increasing the air pressure in the chamber creates a pressing force against the outer surfaces of the pair of substrates such that one of the substrates is concave toward the other substrate in the finished liquid crystal display.

5. The method as claimed in claim 4, wherein each of the substrates is concave toward the other substrate in the finished liquid crystal display.

6. The method as claimed in claim 4, wherein at least one of the pair of substrates is provided with a plurality of thermoplastic spacers between the pair of substrates, and the method further comprises a step of heating the pair of substrates during the curing process of the adhesive such that the thermoplastic spacers are deformed to have different profiles in the finished liquid crystal display.

7. A liquid crystal display having a central portion and a peripheral portion, comprising:

a pair of substrates;

a liquid crystal material between the pair of substrates; and

wherein one of the substrates is concave toward the other substrate such that the central portion of the liquid crystal display is thinner than the peripheral portion of the liquid crystal display.

8. The liquid crystal display as claimed in claim 7, wherein each of the substrates is concave toward the other substrate.

9. The liquid crystal display as claimed in claim 7, further comprising a plurality of thermoplastic spacers having different profiles and being disposed between the pair of substrates.